

ITEM: 31

SUBJECT: Uncontested Waste Discharge Requirements

REPORT: Following are the proposed waste discharge requirements that prohibit discharge to surface waters. All agencies and the dischargers concur or have offered no comments. Items indicated as updates on the summary agenda make the requirements consistent with current plans and policies of the Board.

a. **MILLENNIUM HOLDINGS, LLC., CLOSURE OF THE RISING STAR WASTE ROCK CONTAINMENT FACILITY, Shasta County**

Millennium Holdings, LLC owns the inactive Rising Star Mine in Shasta County. The mine ceased operation in 1927; however discharges of acid rock drainage (ARD) from the old mine workings and waste rock piles continue to impact water quality. In response to a Cease and Desist (C&D) Order, Millennium Holdings, LLC has implemented numerous remedial measures to reduce discharges of ARD. The proposed project to consolidate reactive waste rock into a single area and construct an impermeable cap to prevent infiltration of rainwater is a continuation of the efforts to reduce discharges of ARD to surface waters and to comply with the C&D Order.

b. **AMADOR WATER AGENCY AND MACE MEADOW GOLF AND COUNTRY CLUB, INC., BUCKHORN WATER TREATMENT PLANT AND REUSE SITE, AMADOR COUNTY**

The Amador Water Agency owns and operates the Buckhorn water treatment plant (WTP) and a backwash wastewater conveyance line. Wastewater generated during filter backwash will be reused via irrigation on the Mace Meadow Golf Course, which is owned and operated by Mace Meadow Golf and Country Club, Inc. The WTP consists of a membrane micro-filtration system. Monthly, or as needed, the membranes will be cleaned by a two-step clean-in-place process that will include caustic/chlorine and citric acid. Clean-in-place waste will not be part of the wastewater conveyed to the golf course and will be disposed of at a landfill. Additional and more frequent membrane cleaning will be accomplished by backwashing membranes up to two to three times per hour. This backwash water will be conveyed to the golf course, stored in two storage ponds, and reused for irrigation of the golf course. The two storage ponds have sufficient winter storage capacity based on average rainfall conditions; however, they do not have sufficient winter storage capacity based on 100 year rainfall conditions. This Order provides a timeline for the Discharger to construct additional winter storage capacity. Surface water drainage is to Pioneer Creek, a tributary to Sutter Creek, which is

in turn tributary to Dry Creek, and then the Calaveras River. (JSK)

c. **SOUTH KERN INDUSTRIAL CENTER, LLC., FOR OPERATION, BIOSOLIDS STORAGE AND COMPOSTING FACILITY, Kern County**

South Kern Industrial Center, LLC., plans to construct and operate a 100-acre biosolids composting facility. The facility will be in southwestern Kern County approximately 18 miles southwest of Bakersfield and 12 miles east of Taft on South Lake Road. When constructed, the facility will be enclosed by a five-foot berm. Precipitation drainage from the Unit will be collected in a retention basin and recycled onto the composting windrows for moisture control. The facility has not been constructed and no wastes have been accepted at this site. Site specific characteristics, including low rainfall, poor quality groundwater, the manner in which waste will be handled (static aerated piles), and the collection and recycling of all storm water and collected leachate, will help to protect the groundwater from degradation and the loss of designated beneficial uses. The facility design includes construction of a low hydraulic conductivity liner system for incoming feedstock storage area(s), treatment (composting) area(s), and finished product storage area(s) to minimize downward flow to protect groundwater; the construction of a storm water retention basin that can accommodate runoff from a 25-year, 24-hour storm event to protect surface water; the construction of a lined process-water basin that will store liquid wastes such as truck wash wastewater, leachate, condensate, and any storm water that has come in contact with the feedstocks, composting piles, or finished compost to protect surface water and groundwater. This Order requires quarterly groundwater monitoring and annual monitoring of the surface impoundments. (CM)

d. **WEIMAR INSTITUTE, INC., WASTEWATER TREATMENT FACILITY Placer County**

The Discharger owns and operates a wastewater treatment facility (WWTF) that serves the needs of the Weimar Institute. The WWTF currently serves a population of approximately 224 persons and treats a monthly average flow of approximately 22,400 gallons per day (gpd) of domestic wastewater. The Discharger indicates that future populations are anticipated to be approximately 300 persons with an average monthly wastewater flow not to exceed 30,000 gpd. The WWTF contains an Imhoff tank, trickling filter, three wastewater oxidation ponds, and subsurface disposal via two leachfields. The collection system consists of two gravity collection systems. Only the wastewater from the Campus Collection System Branch flows through the Imhoff tank and trickling filter prior to being discharged to the wastewater ponds and the leachfields. The wastewater from the

Academy Center and Residential Duplexes Collection System Branch, which is approximately 10 percent of the total flow; enters a series of four septic tanks prior to being discharged to the wastewater ponds and the leachfields. Surface water drainage is to Coyote Creek, a tributary to Wolley Creek and Lake Combie. (GJC)

e. **CHINCHIOLO STEMILT CALIFORNIA, LLC  
JT INVESTMENTS, FRUIT PROCESSING FACILITY,  
San Joaquin County**

Chinchiolo Stemilt California, LLC/JT Investments operates a fruit processing facility that processes cherries, pears, and apples for fresh fruit packing, on-site cold storage, and shipping. No brining or canning of the fruit is performed on-site. Processing consists of washing, chilling, waxing, and cold storage of the fruit. The Discharger is upgrading the wastewater system to accommodate higher wastewater flow rates. Improvements include lining the ponds and adding a new land application area. The Order allows a flow rate of 160,000 gallons per day (gpd) and an annual total flow of 20.5 million gallons from the wastewater storage ponds to the land application areas. Wastewater will be applied at agronomic rates. A total of 19.4-acres of land application area will be available. Surface water drainage in the area is to the Calaveras River between New Hogan Reservoir and the Sacramento/San Joaquin Delta. (TRO)

f. **CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS,  
ROCK CREEK MUNICIPAL SOLID WASTE CLASS II  
LANDFILL AND CLASS II SURFACE IMPOUNDMENT,  
Calaveras County**

The 200-acre facility is about one mile east of Milton in Calaveras County. The facility consists of a Class II landfill, which is being constructed in four phases. Each phase will include a surface impoundment for leachate storage and evaporative disposal. This revision reflects the expansion of the facility with the construction of a new double lined cell. This cell, Phase II-B, will accept Class II and III municipal solid waste on 7.3 acres directly south of the existing Phase II-A. The facility accepts municipal solid waste, ash, sewage treatment sludge, petroleum contaminated soil, and miscellaneous materials. These wastes are classified as "nonhazardous solid waste" or "designated waste", using the criteria set forth in Title 27. Surface water discharge is to Rock Creek, a tributary of the San Joaquin River. (MMW)

g. **CHEVRON USA, INCORPORATED, FOR CLOSURE,  
MIDWAY SOLID WASTE DISPOSAL SITE, San Luis Obispo  
County**

Chevron USA, Incorporated, owns the Midway Solid Waste Disposal Site located about one-half mile west of the unincorporated community of Fellows. The facility contains one 4.2-acre unlined waste management unit in which nonhazardous industrial solid waste was discharged. Municipal solid waste was not discharged to this facility. Surface drainage is toward Buena Vista Creek. The first encountered subsurface fluid consists of oil and tar. There is no groundwater present beneath the site within the upper 1,000 feet of sediments. Therefore, groundwater monitoring is not required. The Discharger has proposed an engineered alternative cover design that utilizes a four-foot thick soil layer as an evapotranspirative cover. The waste discharge requirements implement Title 27 regulations for closure and monitoring of the facility. (REH)

h. **COUNTY OF TULARE, FOR OPERATION, WOODVILLE  
MUNICIPAL SOLID WASTE LANDFILL, Tulare County**

About four miles northwest of Woodville, the facility contains one existing, unlined waste management unit (Unit IA) covering about 57 acres and one existing lined waste management unit (Unit IB) covering about eight acres. Unit IA began receiving wastes in 1960 and this continues. Unit IB began receiving wastes in 1999. The estimated closure date of Units IA and IB is 2010. Surface drainage is toward Elk Bayou in the Kaweah Delta Hydrologic Area (558.10) of the Tulare Lake Hydrologic Basin. The waste discharge requirements are being revised for the purpose of making minor modifications to the prohibitions, specifications, and monitoring and reporting program. (VSM)

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review \_\_\_\_\_  
Legal Review \_\_\_\_\_

24 June 2005 Regular Board Meeting  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670